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CPY - KAOS  
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MC - D08-B04 D11-A01A E10-B02E E22-B01 E22-C01 E35-A E35-U  
M3 - [01] H1 H102 H103 H181 H4 H401 H481 H721 H8 J0 J012 J013 J1 J171 J172  
J3 J371 M220 M221 M222 M223 M224 M225 M226 M231 M232 M233 M262 M281  
M311 M312 M321 M322 M323 M332 M342 M349 M381 M383 M391 M392 M416 M620  
M630 M782 M903 M904 Q252 Q616 R023; 8934-D9501-M; 1704-X 1724-X 1711-X  
1714-X 8929-0  
- [02] A426 A429 A940 C017 C100 C108 C216 C316 C540 C730 C801 C802 C803  
C804 C805 C806 C807 M411 M782 M903 M904 Q252 R023; R04007-M;  
8934-D9502-M 8934-D9503-M; 1704-X 1724-X 1711-X 1714-X 8929-0  
M4 - [03] G013 G015 G019 G022 G029 G111 G112 G331 H1 H100 H101 H102 H142  
H401 H441 K0 K431 K499 L9 L951 M122 M129 M143 M149 M210 M211 M214 M231  
M240 M273 M280 M281 M282 M320 M414 M510 M520 M531 M532 M533 M540 M782  
M903 M904 Q252 R023 W003 W012 W030 W032 W333 W336; 8934-D9504-M;  
1704-X 1724-X 1711-X 1714-X 8929-0  
- [04] D023 D029 E350 K0 L9 L951 L999 M280 M320 M412 M417 M511 M520 M530  
M540 M782 M903 M904 Q252 R023 W003 W030 W329 W333 W336; 07265;  
8934-D9505-M; 1704-X 1724-X 1711-X 1714-X 8929-0  
PA - (KAOS ) KAO CORP  
PN - JP1180816 A 19890718 DW198934 006pp  
- JP2546700B2 B2 19961023 DW199647 A61K7/075 004pp  
PR - JP19880003297 19880111  
XA - C1989-110092  
XIC - A61K-007/07 ; A61K-007/075 ; C11D-001/88 ; C11D-003/40  
AB - J01180816 A new shampoo compsn. contains 1-45 wt.% of one or more  
imidazoline amphoteric surfactants of formula (I) and (II), 5-500 ppm  
of Fe<sup>3+</sup> and/or Cu<sup>2+</sup>, and 0.000001-0.001 wt.% of a water- or  
oil-soluble dye having an anthraquinone skeleton; where R1 and R3 = a  
7-19C opt. satd. hydrocarbon gp.; R2 and R4 = -CH<sub>2</sub>COOM or -CH<sub>2</sub>CH<sub>2</sub>COOM;  
R5 = -H, -CH<sub>2</sub>COOM, or -CH<sub>2</sub>CH<sub>2</sub>COOM; and M = H, an alkali metal, or an  
alkanol amine.  
- (I) and (II) may be N-lauroyl-N-(2-hydroxyethyl)-N'-(2-hydroxyethyl)ethylenediamine, N-lauroyl-N-(2-hydroxyethyl)-N'-carboxymethyl  
ethylenediamine, and N-lauroyl-N-(2-hydroxyethyl)-N',N'-bis  
(carboxyethyl)ethylenediamine. The dyes may be sudan blue, Alizarine  
cyanine Green, and Solvent Violet 11.  
- USE/ADVANTAGE - The safe and mild compsn. undergoes no fading of dyes  
when exposed to sun-light. It has good detergency and fiaming power.  
CN - 8934-D9501-M 8934-D9502-M 8934-D9503-M 8934-D9504-M 8934-D9505-M  
R04007-M  
DRL - 1704-X 1711-X 1714-X 1724-X 8929-0  
IW - SHAMPOO COMPOSITION CONTAIN IMIDAZOLINE AMPHOTERIC SURFACTANT IRON  
COPPER ION WATER OIL SOLUBLE DYE ANTHRAQUINONE SKELETON  
IKW - SHAMPOO COMPOSITION CONTAIN IMIDAZOLINE AMPHOTERIC SURFACTANT IRON

**COPPER ION WATER OIL SOLUBLE DYE ANTHRAQUINONE SKELETON**

**NC - 001**

**OPD - 1988-01-11**

**ORD - 1989-07-18**

**PAW - (KAOS ) KAO CORP**

**RRL - 07265**

**TI - Shampoo compsn. - contg. imidazoline amphoteric surfactant, iron(III)  
or copper (II) ions, and water- or oil-soluble dye having  
anthraquinone skeleton**